

<p align="center">DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT Housing - Federal Housing Commissioner</p> <p>TO: DIRECTORS, SINGLE FAMILY HOCs DIRECTORS, MULTIFAMILY HUBs</p>	<p>Series and Series Number: MATERIALS RELEASE NO: 1150h (Supersedes issue dated May 2, 2008)</p>
	<p>ISSUE DATE</p> <p align="center">September 23, 2015</p>
	<p>REVIEW DATE</p> <p align="center">September 23, 2018</p>
<p>SUBJECT: 1. Product Homasote® 440 Fiberboard Panels</p> <p>2. Name and address of Manufacturer Homasote Company P. O. Box 7240 West Trenton, NJ 08628-0240</p>	

Data on the nonstandard product described herein have been reviewed by the Department of Housing and Urban Development (HUD) and determination has been made that it is considered suitable from a technical standpoint for the use indicated herein. This Release does not purport to establish a comparative quality or value rating for this product as compared to standard products normally used in the same manner.

This Materials Release cannot be used as an indication of endorsement or approval by HUD of the described product, and any statement or representation, however made, indicating such approval or endorsement by HUD is unauthorized. See Code 18, U.S.C. 709.

Any reproduction of this Release must be in its entirety.

USE: Roof Sheathing and Floor Decking.

DESCRIPTION:

Homasote® fiberboard is a 98% recycled wood fiber (cellulose), weather resistant, medium density board derived from the repulping of paper fiber (cellulose) that has been treated to resist moisture, termites, rot, and fungi.

The Homasote® substrate has a density of approximately 25-29 lbs/ cu ft. Panels are manufactured in ½", 5/8", 3/4", 1", 1-3/4", 1-11/32", 1-3-3", 1-7/8", and 2-1/16" thicknesses, and may have 2, 3, and 4 ply laminations, respectively. Panels contain no asbestos and no ureaformaldehyde additives.

Homasote® 440 fiberboard panels arrive at the construction site with application instructions enclosed. Installation instructions can also be found at <http://www.homasote.com/Installation/>

INSTALLATION:

A. General

1. All installations shall be in strict accordance with the manufacturer's current application recommendations, if not in conflict with HUD Minimum Property Standards (MPS).
2. Panels shall be stored on a dry platform, a minimum 6" above grade, and under shelter.
3. Any changes in design, composition or application of these products shall void their suitability for the intended use outlined herein.

B. Roof Sheathing

1. Rafter Spacing

RAFTER SPACING AND NAIL REQUIREMENTS					
ROOF DECKING THICKNESS	RAFTER OR PURLIN SPACING FOR ALLOWABLE LIVE LOAD OF			NAIL GALV. COMMON	PROFILE CLIP TO BAR JOIST
	40 psf	50 psf	A-Frame	Nail Size	
1"	24" o.c.	16" o.c.	32" o.c.	6d	N/A
1-3/8"	32" o.c.	24" o.c.	48" o.c.	8d	6380
1-7/8"	48" o.c.	48" o.c.	48" o.c.	16d	6780
2-1/16"	48" o.c.	48" o.c.	48" o.c.	16d	6780

2. Sheet sizes 2' x 8' and 4' x 8'. Provide a gap of 1/8" between square edge butt joints and caulk joints. Maximum rafter spacing 24" o.c. Provide 2" x 4" blocking (minimum) between rafters and under joints.
3. Sheets shall be installed so that edge joints of adjoining panels do not occur over the same rafter.
4. All exposed edges shall be protected by metal flashing or wood mouldings at eaves and rake edges of roof as starter strip and nailing for trim and fascia.

5. Application of built-up roofing shall be in accordance with manufacturer's specifications. Roof slope shall be not less than ¼" per foot. Built-up roofing shall be applied directly to the top surface of the roof decking using nailing method. First two courses of roofing felt shall be applied with "Square Hed" nails or 1-1/4" ring shank roofing nails.
6. Roof decking used in exposed beam construction has a 6 mil prefinished surface of decorative white vinyl film with a fire hazard classification of Class C. To prevent wrinkling of the vinyl finish it is recommended that polyethylene film be added to the beam tops before installation of the roof deck to allow for movement. Nominal sheet size is 2' x 8' and 2-1/16" thick.
7. Nail panel directly to wood rafters or beams with nails as specified by manufacturer's instructions. Nail from panel center out to ends using a minimum of 5 nails per rafter. Place nails ¾" back from edge. The use of nails or special fasteners shall be recommended by the manufacturer of the roofing materials for this type board and system.

C. Floor Decking

1. The manufacturer recommends the application of its decking with the Glue-Nail System. The manufacturer will not warrant its product performance if alternate methods are used.
2. In large platforms provide ½" gap for every 50' of length for expansion and contraction. Provide ½" gap at all abutting masonry walls. Stagger end joints on alternate joists. Do not butt squared ends tightly, gap. Tongue and groove edges may be installed tightly together. All squared edges shall occur only over joists.
3. Provide adequate ventilation and membrane ground cover for installations over crawl space.
4. When resilient finish floors are used underlayment of 3/8" thick plywood shall be provided.

D. Walls and Ceilings

If used in this application, panels shall be separated and acclimated in a conditioned environment for 24 hours prior to use.

Install panels in strict accordance with installation instructions which are included in panel packaging and also available at www.homasote.com/Installation/

CERTIFICATION AND LABELING:

Homasote® certifies that the Homasote® substrate shall be produced in conformance to this MR and in compliance with the quality control program at Homasote® in accordance with the Code of Federal Regulations, 24 C.F.R. 200.935. Homasote® quality control personnel shall inspect the manufacturer's facility to assure that quality control procedures are being followed.

Each Homasote® wrapped unit certified as conforming to this MR shall be labeled with the following information:

1. Manufacturer's name and/or logo
2. Product name as defined in DESCRIPTION section
3. Manufacturing plant or identification
4. MR 1150h
5. Date of manufacture

MANUFACTURING LOCATIONS:

The products covered under this MR will be produced at the following plant:

Homasote Company
932 Lower Ferry Road
P. O Box 7240
West Trenton, NJ 08628
Steve Gleason, Sales Engineer
609-883-3300 ext: 1332

WARRANTY:

Homasote Company warrants Homasote® Fiberboard panels to be free of any defects due to faulty materials and workmanship in the manufacturing process for a period of one (1) year from the date of installation.

The liability of Homasote Company on this warranty shall be limited to replacement of any defective panels and the cost of installation or at the option of Homasote Company, payment in lieu thereof.

The manufacturer's warranty does not relieve the builder, in any way, of responsibility under the terms of the Builder's Warranty required by the National Housing Act, or under any provisions applicable to any other housing program.

MANUFACTURER'S RESPONSIBILITIES:

Issuance of this Materials Release (MR) commits the manufacturer to fulfill, as a minimum, the following:

1. Produce, label and certify the material, product or system in strict accordance with the terms of this MR.
2. Provide necessary corrective action in a timely manner for all cases of justified complaint, poor performance or failure reported by HUD.
3. When requested, provide the Office of Manufactured Housing Programs, HUD Headquarters, with a representative list of properties in which the material, product or system has been used, including complete addresses or descriptions of locations and dates of installation.
4. Inform HUD in advance of changes in production facilities, methods, design of the product, company name, ownership or mailing address.

EVALUATION:

This MR shall be valid for a period of three years from the date of initial issuance or most recent renewal or revision, whichever is later. The holder of this MR shall apply for a renewal or revision 90 days prior to the Review Date printed on this MR. Submittals for renewal or revision shall be sent to:

U. S. Department of Housing and Urban Development
Office of Manufactured Housing Programs
451 7th Street, SW, Room 9168
Washington, DC 20410-8000

Appropriate User Fee shall be sent to:

U. S. Department of Housing and Urban Development
Miscellaneous Income - Technical Suitability of Products Fees
Bank of America
P. O. Box 198762
Atlanta, GA 30384-8762

The holder of this MR may apply for revision at any time prior to the Review Date. Minor revisions may be in the form of a supplement to the MR.

If the Department determines that a proposed renewal or supplement constitutes a revision, the appropriate User Fee for a revision will need to be submitted in accordance with Code of Federal Regulations 24 CFR 200.934, "User Fee System for the Technical Suitability of Products Program," and current User Fee Schedule.

CANCELLATION:

Failure to apply for a renewal or revision shall constitute a basis for cancellation of this MR. HUD will notify the manufacturer that the MR may be canceled when:

1. conditions under which the document was issued have changed so as to affect production of, or to compromise the integrity of the accepted materials, product, or system,
2. the manufacturer has changed its organizational form without notifying HUD, or
3. the manufacturer has not complied with responsibilities it assumed as a condition of HUD's acceptance.

However, before cancellation, HUD will give the manufacturer a written notice of the specific reasons for cancellation, and the opportunity to present views on why the MR should not be canceled. No refund of fees will be made on a canceled document.

This Materials Release is issued solely for the captioned firm, and is not transferable to any person or successor entity.
